

IN THE SPECIFICATION:

Please substitute the following abstract for the abstract in the application:

A method, [[a]] system, and [[a]] computer program product for organizing a set of nodes into a minimum number of connected clusters of bounded size in a wireless transmission system, ~~wherein the method comprises is disclosed. The method comprising steps of;~~ using of bits in packets used in the initial stages of the device discovery procedure, to include information relating to a state of device discovery to achieve the ~~said the~~ separation of the nodes into those in ~~said the~~ transmit-state and ~~said the~~ receive-state; defining a Master-designate among ~~said the~~ nodes through a statistical procedure and defining remaining nodes as a Slave-designate; defining a cluster including ~~said the~~ Master-designate and at least one ~~said the~~ Slave-designate, wherein ~~said the~~ Slave-designate continuously scans for ~~said the~~ inquiry message transmitted from ~~said the~~ Master-designate and ~~said the~~ Slave-designate transmits ~~said the~~ inquiry response to ~~said the~~ Master-designate.

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